
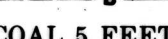


OPEN-FILE REPORT  
This report has not been edited for conformity with  
U.S. Geological Survey editorial standards or  
stratigraphic nomenclature.

EXPLANATION

 NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights.

 BOUNDARY OF COAL 5 FEET OR MORE THICK—  
Drawn along the outcrop of coal bed and/or the inferred  
contact between burned and unburned coal, and/or the  
5-foot coal isopach, and/or the fault boundary of coal.  
Arrows point toward area of coal 5 feet or more thick.

 POINT OF MEASUREMENT ON COAL BED

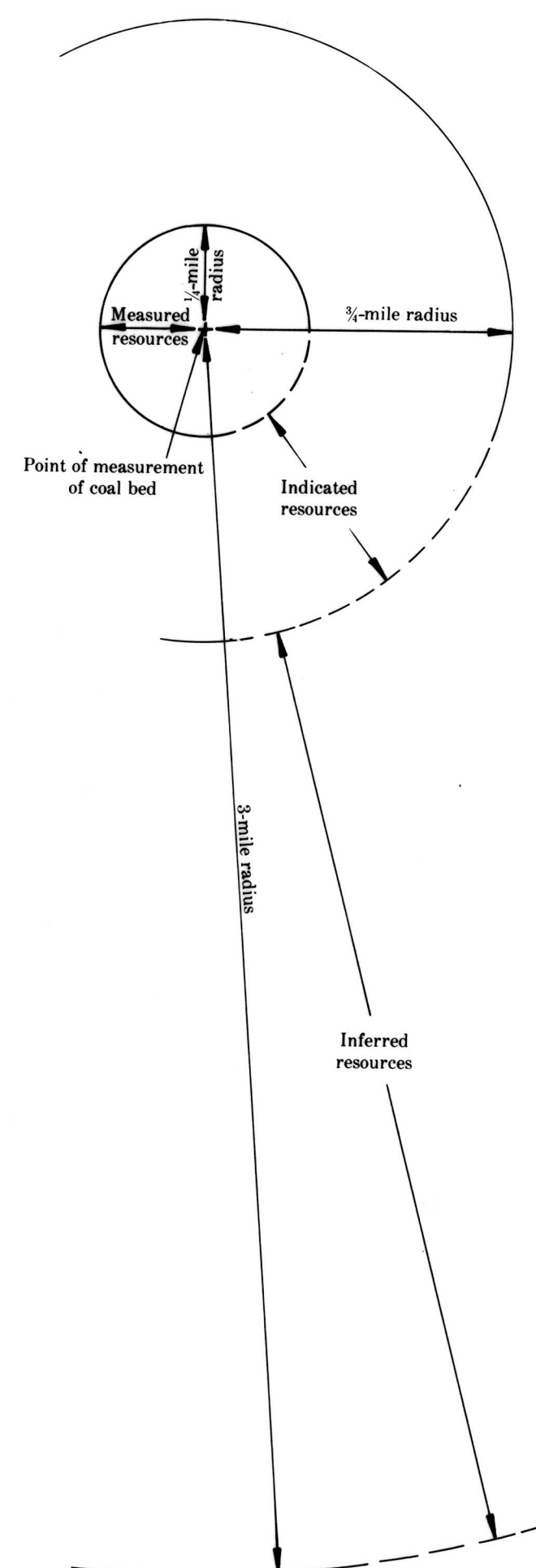


DIAGRAM SHOWING COMPONENT AREAS OF  
IDENTIFIED COAL RESOURCES—Shows arcuate  
boundary lines enclosing areas of measured, indicated,  
and inferred coal resources. Boundaries of areas are  
dashed where projected from an adjacent quadrangle.  
Areas of measured, indicated, or inferred resources  
may be present on this map without their outer  
boundaries being shown.

RB	R(85%)
6.62	5.63 (Measured resources)
25.48	21.66 (Indicated resources)
—	— (Inferred resources)

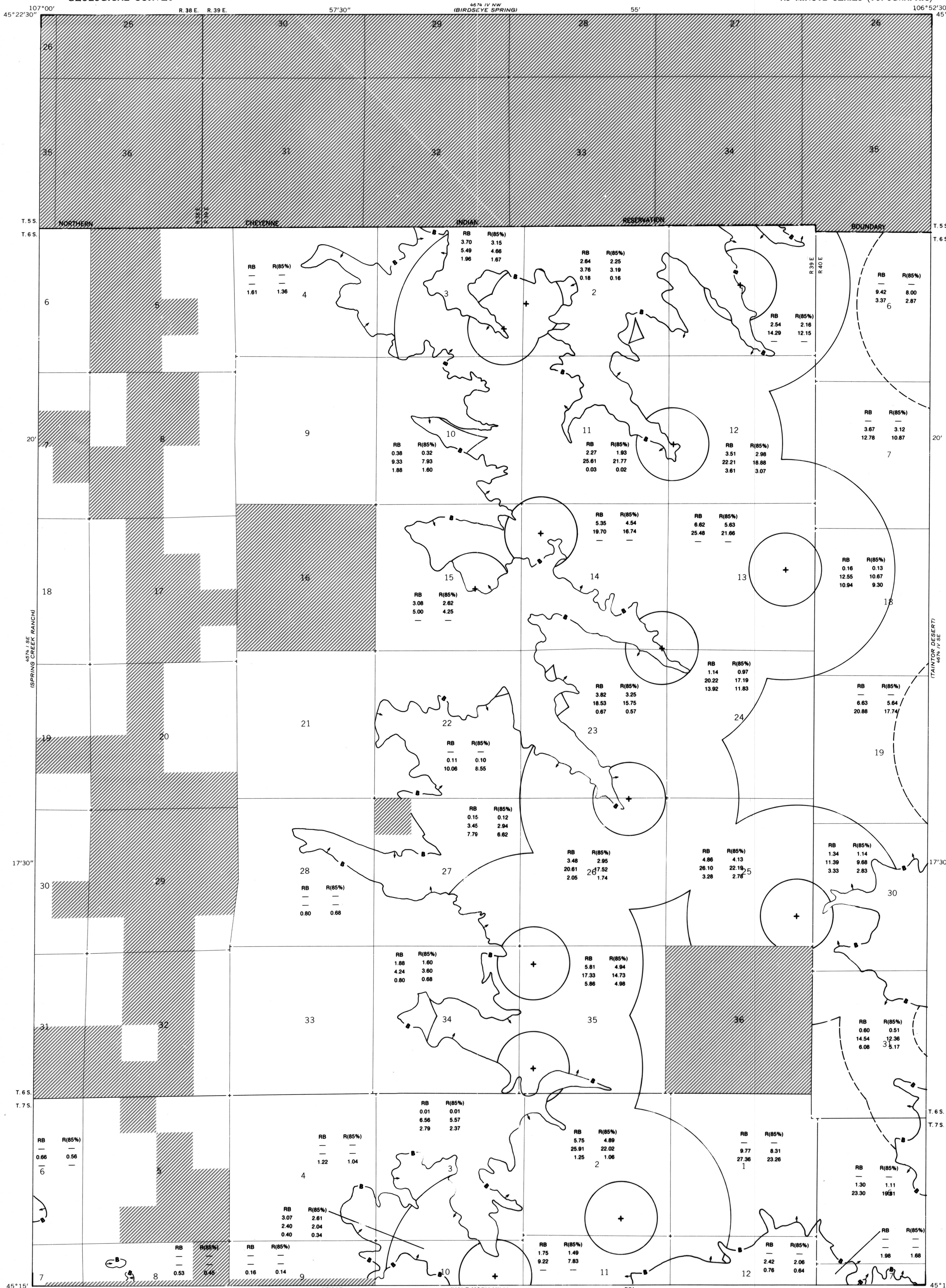
IDENTIFIED COAL RESOURCES—Showing totals for  
Reserve Base (RB) and Reserves (R), in millions of short  
tons, for each section or part(s) of a section of Federal  
coal land within the stripping-limit line. Dash indicates  
no resources in that category. Reserve Base (RB) X the  
Recovery Factor (85 percent) = Reserves (R).

NOTE: No stripping-limit line is shown because there is less  
than 500 feet of overburden above the Reserve Base coal.  
Consequently, all coal shown has a recovery factor of 85  
percent.

To convert short tons to metric tons, multiply short tons by  
0.9072.

To convert miles to kilometers, multiply miles by 1.61.

To convert feet to meters, multiply feet by 0.3048.

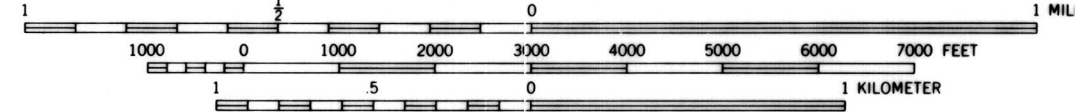
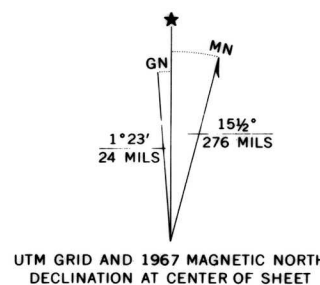


Base map from U.S. Geological Survey, 1967

HALF MOON HILL

SCALE 1:24,000

Compiled in 1977



COAL RESOURCE OCCURRENCE MAP OF THE KIRBY QUADRANGLE,  
BIG HORN COUNTY, MONTANA

BY  
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE  
1979

PLATE 13

AREAL DISTRIBUTION AND TONNAGE  
MAP OF IDENTIFIED RESOURCES OF THE  
COMBINED DIETZ 2 AND DIETZ 3 COAL BEDS